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Appl. No. 10/577,279
Amdt. dated January 10, 2011
Reply to Office Action of October 8, 2010

Remarks

Claims 1-11 were pending in this application. Claims 3, 8 and 11 have been canceled herein. Claims 1, 4-7 and 9 are amended herein, primarily to add limitations from the canceled claims. New claims 12 and 13 have been added, based on paragraph [0193] of the specification as originally filed (particularly the final sentence of paragraph [0193]). Claim 14 is like claim 10, but is dependent on claim 5 to avoid a multiple-multiple dependent claim. Therefore, claims 1-2, 4-7, 9-10 and 12-14 are presently pending. No new matter has been added.

The Restriction Requirement required election of one of the following groups of claims:

Group I (claims 1-5 and 10), drawn to a battery and a cathode material comprising LiFePO_4 and one or more metal elements such as V, Cr, Cu, Zn, In, Sn, Mo and Ti in a range of 0.1-5 mol%.

Group II (claims 6-9 and 11), drawn to a method of making a cathode material comprising mixing LiFePO_4 and a halide of one or more metals such as Zr from Group 4, Nb from Group 5, W from Group 6, Ag or Au from Group 11, Cd or Hg from Group 12, Al or Ga from Group 13 and Si or Ge or Pb from Group 14 by calcining and adding a substance from which conductive carbon is formed.

Applicants hereby elect Group I (claims 1-5 and 10), with traverse. Applicants respectfully request that the Examiner reconsider the Restriction Requirement, in that there is apparent unity of invention between the two identified Groups of claims. It is respectfully submitted that the claims of Group II define "a process specially adapted for the manufacture of" the product defined by the claims of Group I. The Examiner's attention is further directed to the

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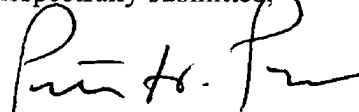
proposed, amended claim 6, which is directed to a process identical to the process recited in "product-by-process" claim 4. Thus, the cathode material produced by the process according to claim 6 is the same cathode material according to claim 1.

In addition to requiring the election of one of the two Groups of claims, the Examiner has requested a species election of a specific metal element. Applicants respectfully elect vanadium (V) for this purpose.

Conclusion

It is believed that all of the claims are in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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